

Organ Clinic

By

Lorenzo García-Herraiz

Carlo Bottini

Elisa Melgosa

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Project Goals

1.

To shorten the
bureaucratic process

2.

Control all the data
during all the process

3.

User-friendly
interface

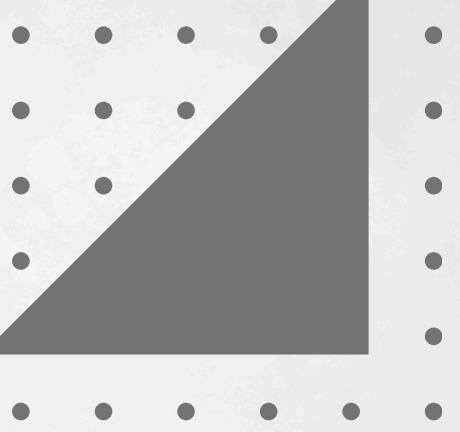
REQUIREMENTS ELICITATION:

FUNCTIONAL:

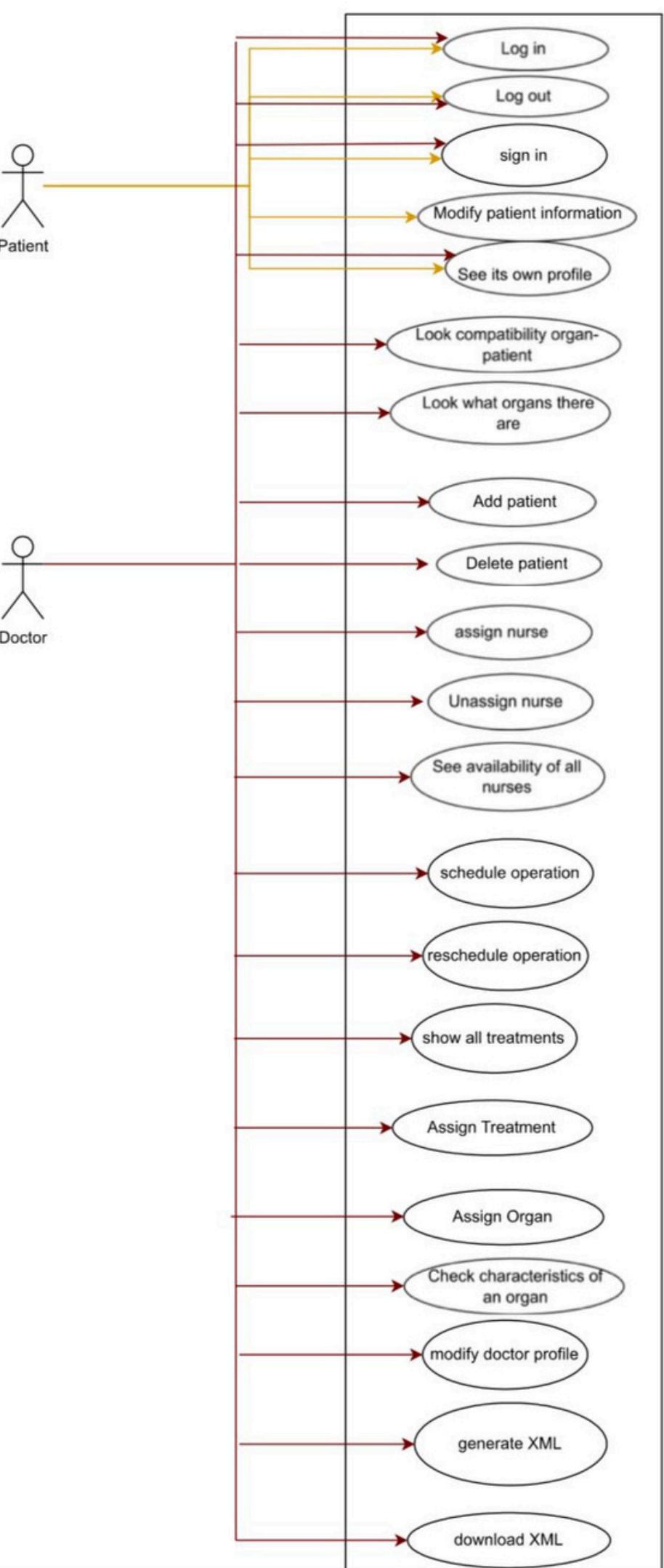
- The system uses a registration and authentication for the users
- The systems stores the information of organs
- The system stores information on the doctor
- The system stores information on wthe patient
- The patient can have access to the system
- The doctor can have access to the system

NON-FUNCTIONAL:

- The system has a user-friendly interface
- The system is programmed in java and SQL
- The same organ cannot be registered twice
- The user cannot be registered twice
- The system completes the commands in less than 2 seconds



USE CASES DIAGRAM



TRACEABILITY MATRIX

| | F1 | F2 | F3 | F4 | F5 | F6 | F7 | F8 | F9 | F10 | F11 | F12 | F13 | F14 | NF1 | NF2 | NF3 | NF4 | NF5 |
|------------------------------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| See if the operation has gone well | | | | | | | | X | | | | | | X | X | | | | |
| Add a new operation | | | | X | | | | | X | | | | | X | X | | | | |
| Make an appointment | X | | | X | | X | | X | X | | | | | X | X | | X | | |
| See if the organ is compatible | | | | | | X | X | X | | X | | | | X | X | | | X | |
| Modify a patient | | X | X | X | X | | | | | | | | | X | X | X | | | |
| Add patient | | | | | | | | | X | | | | | X | X | X | | | |
| Delete a patient | | | | | | | | | | | | | | X | X | X | | | |
| Add nurse | | | | | | | | | | | X | | | X | X | | | | |
| Delete nurse | | | | | | | | | | | | X | | X | X | | | | |
| See his profile | X | | | | | | | X | | | | | | X | X | | X | | |
| Diagnose Treatment | | | | | | | X | | | | X | | | X | X | | | X | |
| See availability | | | | | | X | | | | | | | | X | X | | | | |

Functional

The patient can see the doctors information(F1)

patient can see his account profile(F2)

the patient can modify his profile(F3)

The patient can log in(F4)

The patient can log out (F5)

The patient can reschedule appointment (F6)

The doctor can look all organs (F7)

The doctor can look for compatibility organ-patient (F8)

The doctor can look for the patient profile (F9)

The doctor can add a patient(F10)

The doctor can check characteristics of an organ (F11)

The doctor can look for a treatment(F12)

The doctor can add a nurse to a operation (F13)

The doctor can delete nurse from a operation (F14)

Not functional

The systems will complete the command in less than 2 seconds(NF1)

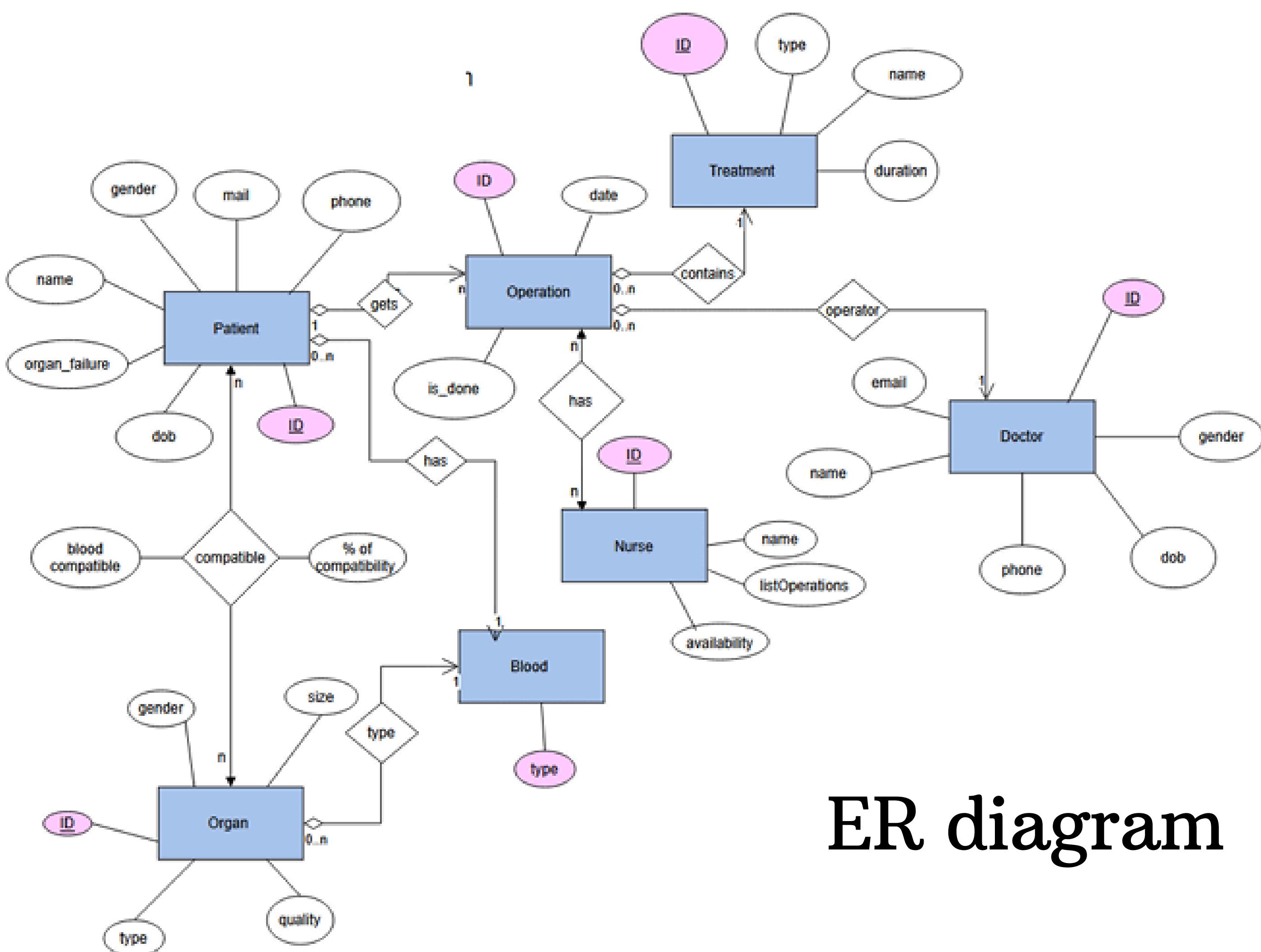
The system is programmed in Java (NF2)

The same patient can't be register twice(NF3)

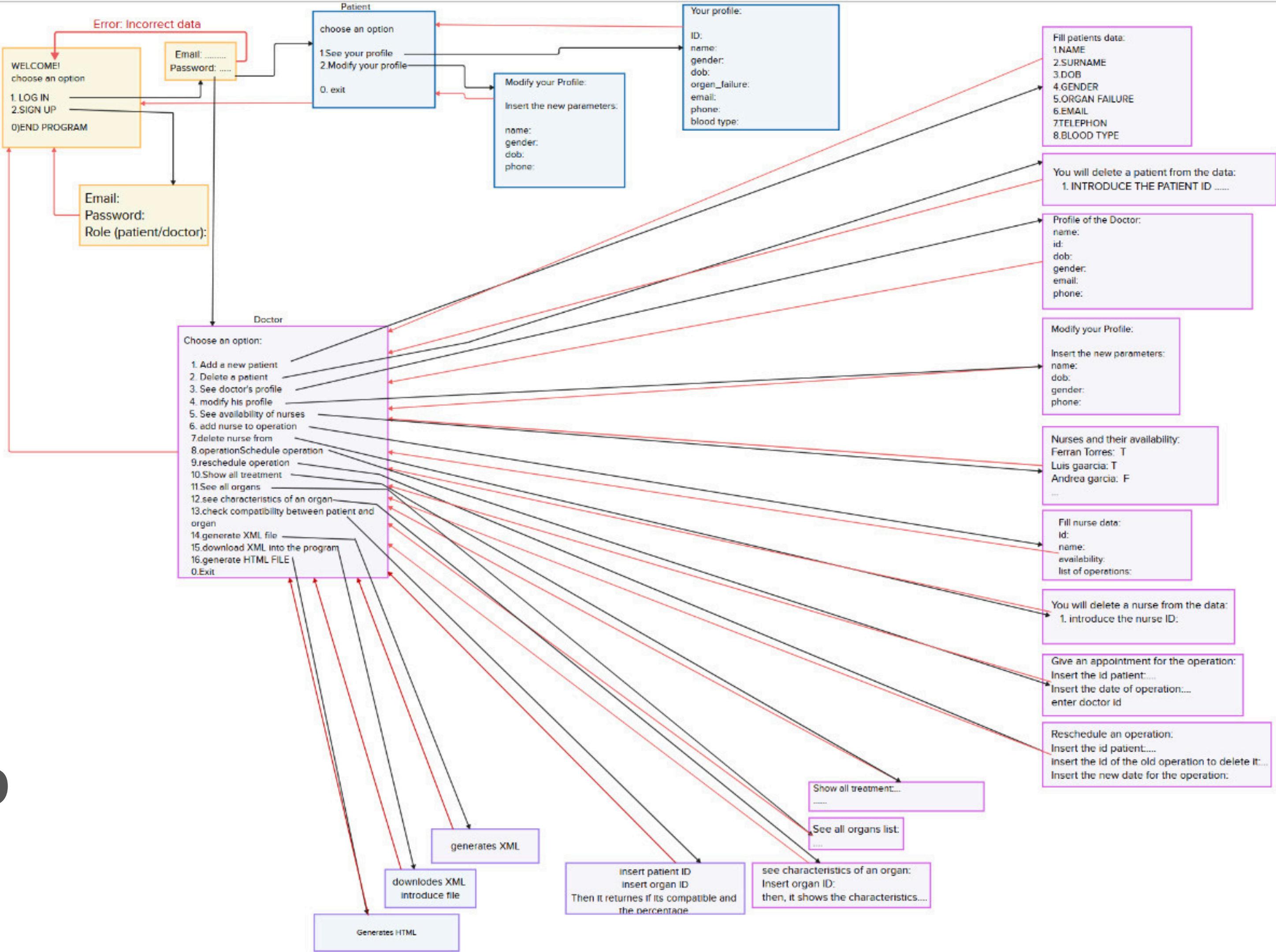
The patient only has one doctor (NF4)

The same organ cannot be registered twice (NF5)

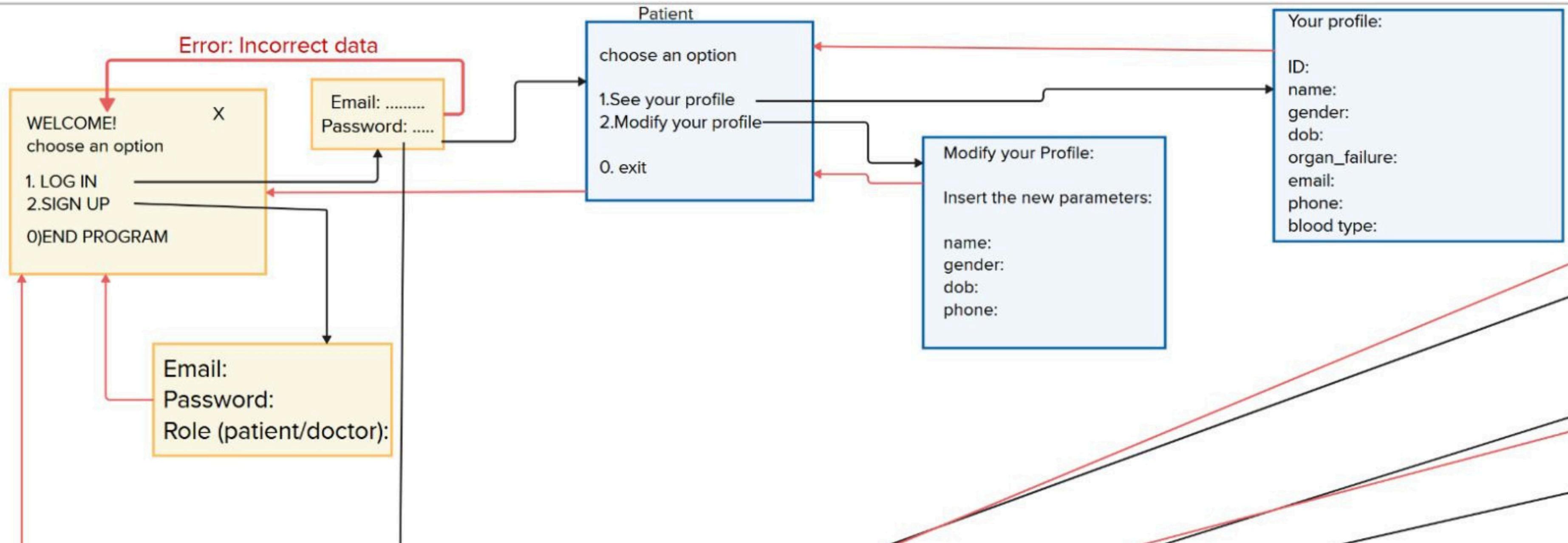
ER diagram



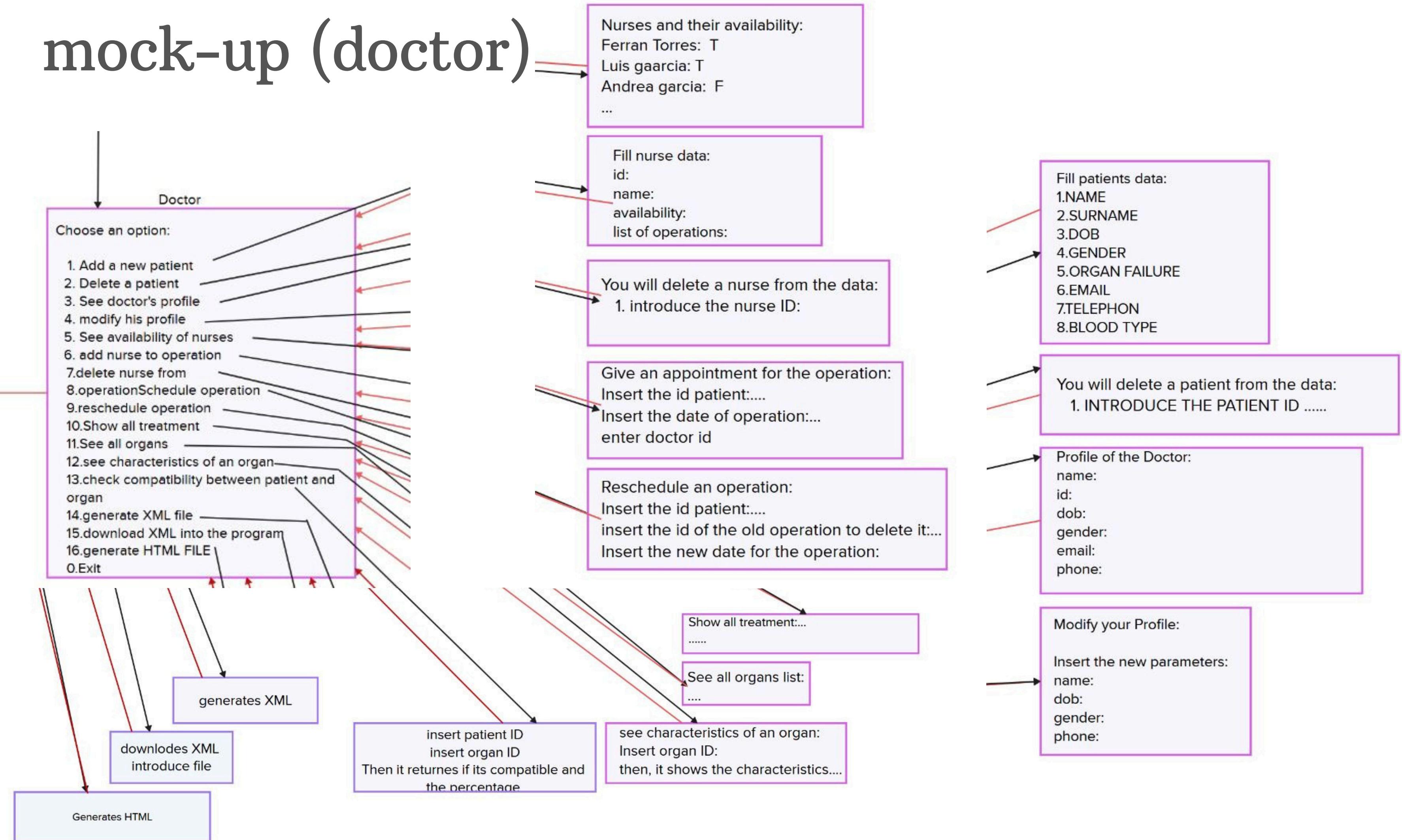
mock-up



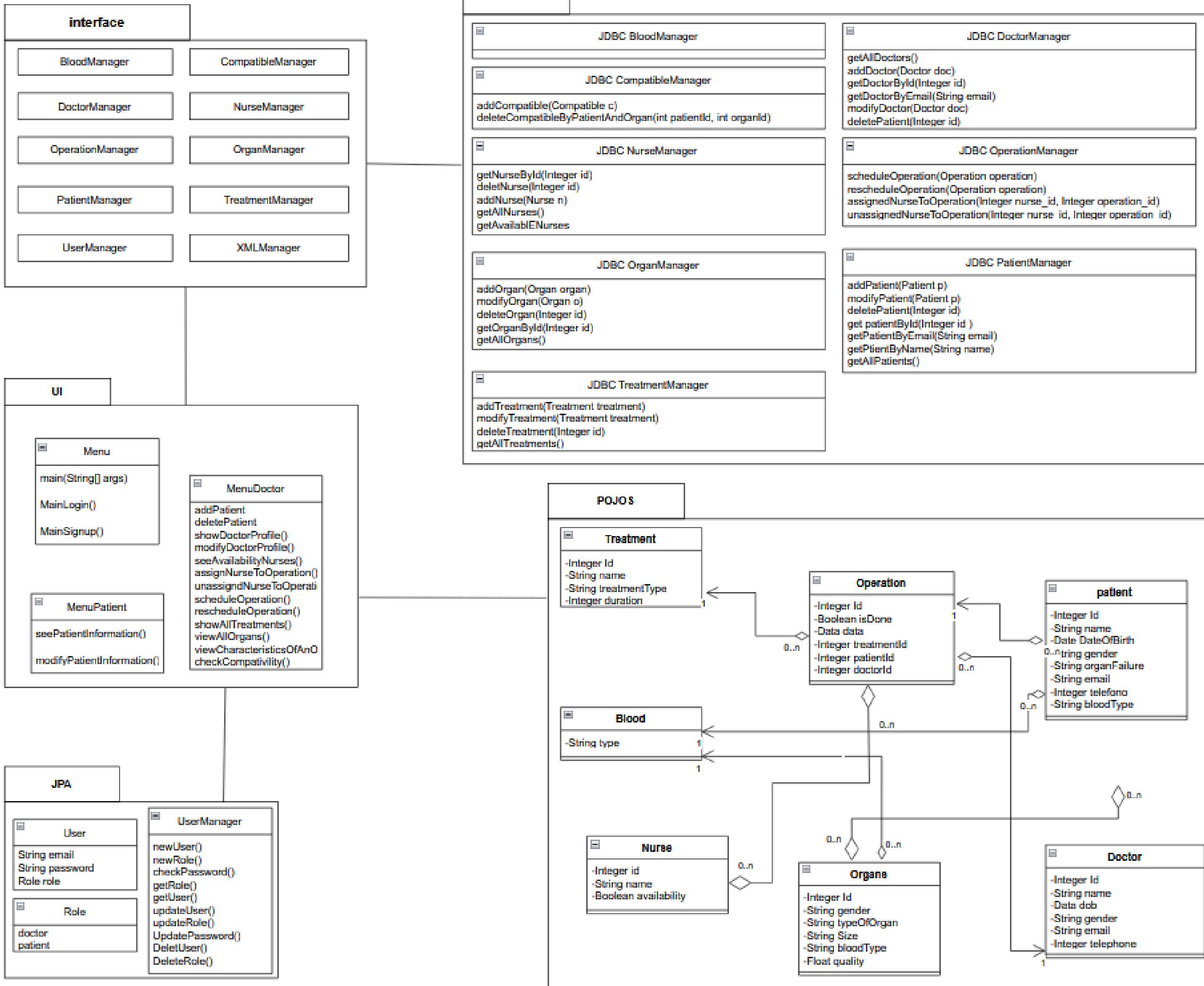
mock-up (main y patient)



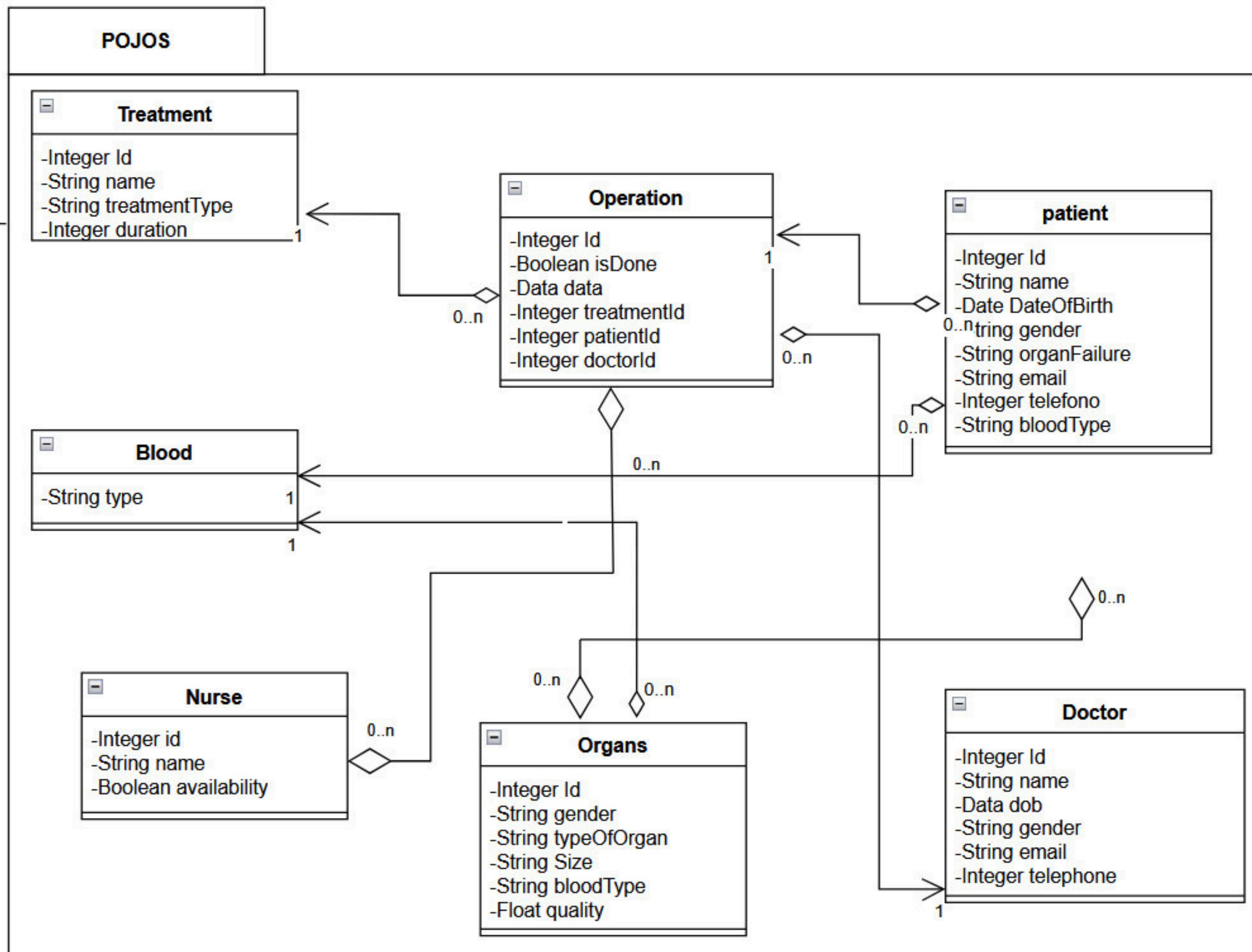
mock-up (doctor)



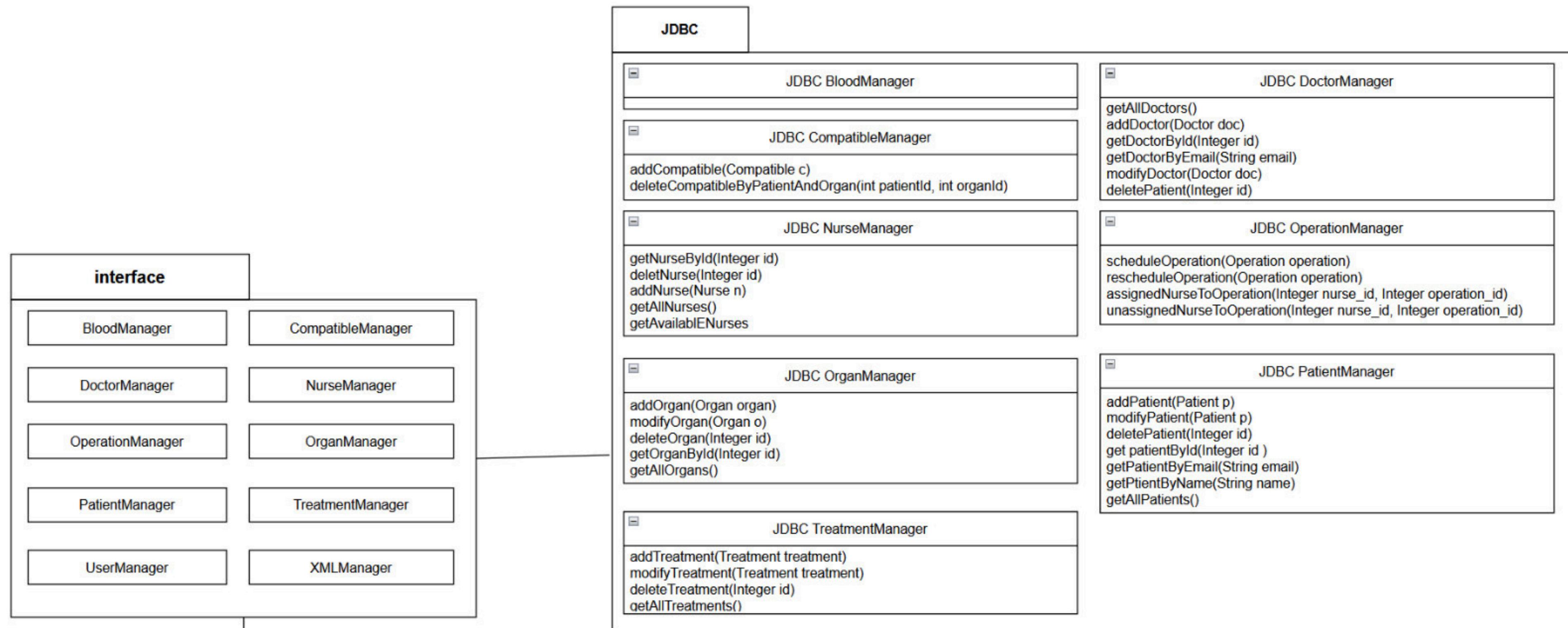
UML



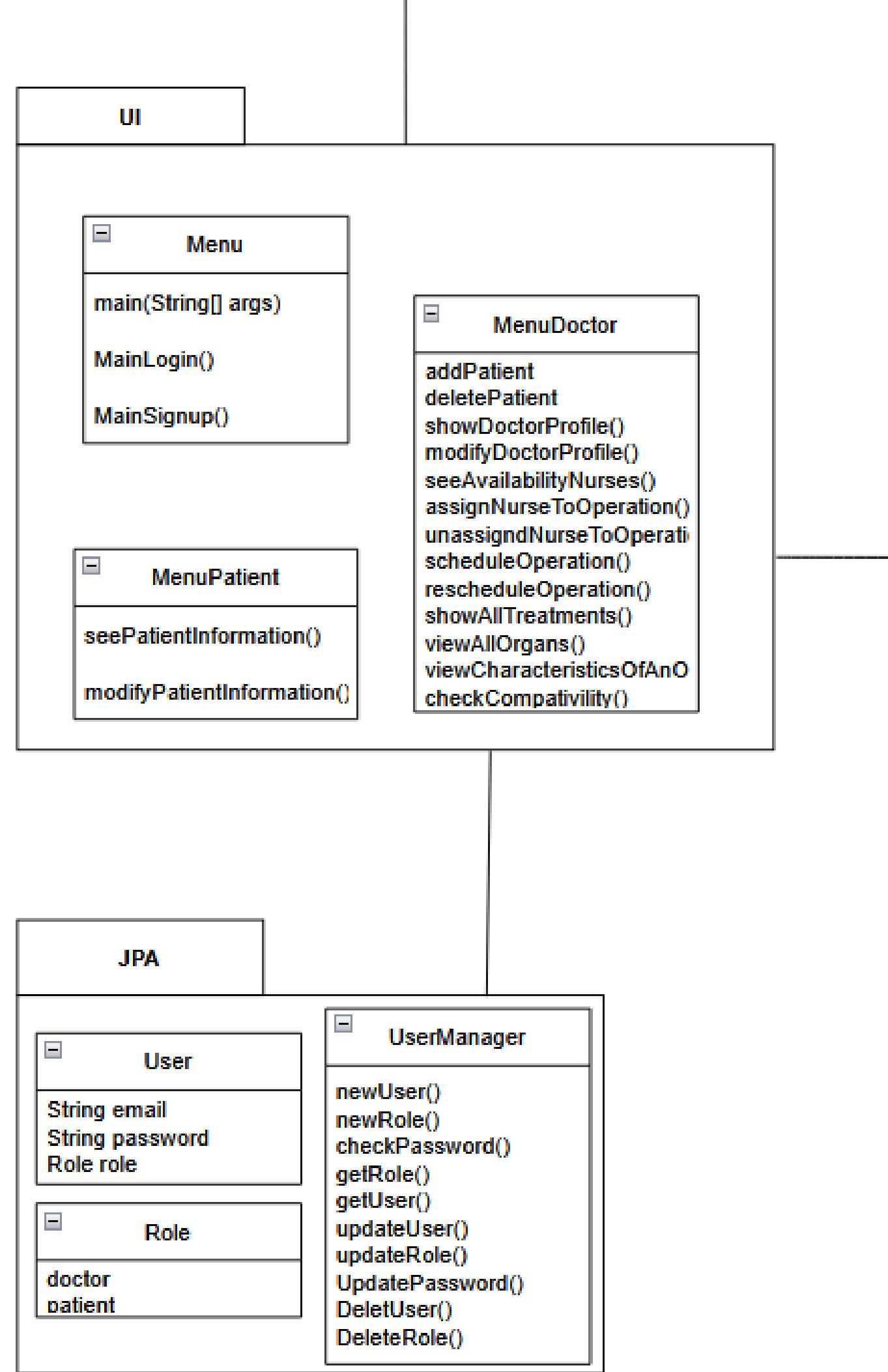
UML (POJOS)



UML(INTERFACE AND JDBC)



UML(JPA AND UI)



Demo time!